

## **ABSTRACT OF THE DISCLOSURE**

The present invention relates to information systems theories and expert systems theories. The present invention provides a process, apparatus and method for decision making, based on emulation of the human decision-making process using expert-generated primary bias values, wherein a primary bias value associates a particular alternative possibility of a possibility set with a particular query, and reflects the expert's conception of the relative degree of predictive value of the query for the particular alternative relative to other alternatives in the possibility set. In particular embodiments, the present invention provides a process, apparatus and method for providing a medical diagnosis or medical self-assessment.